

## SYSTEM AND METHOD FOR A LITHOTRIPTER

### ABSTRACT OF THE DISCLOSURE

A system and method for a lithotripter is provided. The system can include a shockwave generator and an ultrasonic transmitting/receiving unit, which are in communication with an evaluating unit. The transmitting/receiving unit can include an ultrasonic transducer that emits ultrasonic pulses and receives ultrasonic waves reflected from a target area of the shockwave generator. The evaluating unit can determine a correlation coefficient of the time correlation between the ultrasonic waves and the ultrasonic pulses and provide a signal related to the coefficient. The method can include emitting ultrasonic pulses from the transducer into a body, receiving the ultrasonic waves reflected from a target object in the body, evaluating the received ultrasonic waves with the evaluating unit to determine the correlation coefficient, and providing a signal related to the correlation coefficient.